

Release notes for ENDF/B Development e-046_Pd_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-046_Pd_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Pd + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Pd [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Pd [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Pd + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Pd [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Pd1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 24321. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Pd2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3580. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Pd2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3332.6 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Pd2p3/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3170.6 eV!

8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Pd3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 654.9400000000001 eV!

9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Pd3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 555.25 eV!

10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Pd3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 526.8 eV!

11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Pd3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 348.24 eV!

12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Pd3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 342.51 eV!

13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Pd4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 91.01000000000001 eV!

14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Pd4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 59.68 eV!

15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Pd4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 55.09 eV!

16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Pd4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.140000000000001 eV!

17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Pd4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.67 eV!

• **xsectplotter** Warnings:

1. Mislabelled emitted particle
Error: ZAP messed up

```
stderr while processing crossSection
```

```
      WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0  
... [2 more lines]
```